REMARKS

I. Introduction

At the time of the Office Action dated September 1, 2005, claims 1-24 were pending in this application. Applicants acknowledge, with appreciation, the Examiner's indication that claims 8, 10, 12 and 13 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

In this Amendment, claims 1, 18 and 20 have been amended, and new claim 25 has been added. Care has been exercised to avoid the introduction of new matter. Adequate descriptive support for the present Amendment should be apparent throughout the originally filed disclosure as, for example, the depicted embodiments and related discussion thereof in the written description of the specification.

II. The Rejection of Claims 1-4, 6-7, 9, 11 and 16-24 under 35 U.S.C. §103(a)

In the statement of the rejection, the Examiner admitted that Fujioka et al. fails to teach a display device driving circuit including the claimed shorting means. The Examiner, then, applied Taguma et al. and asserted that the reference teaches the missing feature of Fujioka et al. As a result, the Examiner concluded that it would have been obvious to modify Fujioka's liquid crystal display device based on the teachings of Taguma et al. to arrive at the claimed invention.

With respect to independent claim 1, as amended, Applicants submit that Fujioka et al. and Taguma et al., either individually or in combination, do not teach a display device driving circuit including, among other things, the shorting means configured to be turned OFF autonomously based on feedback information from the display section to the voltage supply line.

As admitted by the Examiner, Fujioka et al. does not teach the shorting means. On the other hand, Taguma et al. discloses a signal-line actuation circuit for a liquid crystal display, which includes switch 30 connected between output pads 26L and 26R (see Fig. 1). Switch 30 is closed temporarily, when a polarity of a signal is inverted, to short-circuit adjacent signal lines with each other (see the English abstract). Switch control circuit 32 controls switch 30 to be in an open state under normal conditions and in a closed state only during a break of supply of gradation voltages to each signal line during switchover. Switch 30 is controlled by control signal SH from switch control circuit 32.

In contrast, the shorting means of the claimed invention is kept ON until a polarity of a potential of the voltage supply line connected to the odd-numbered signal line and a polarity of a potential of the voltage supply line connected to the even-numbered signal line are switched around. The shorting means is turned ON/OFF based on feedback information from the display section to the voltage supply lines. The claimed shorting means does not need to receive a control signal from a controller like Taguma et al. Instead, the voltage supply lines to be short-circuited by the shorting means turns ON/OFF the shorting means based on the feedback information from the display section. Taguma et al. does not teach that the signal lines to be short-circuited by switch 30 turns ON/OFF switch 30.

Accordingly, the applied combination of Fujioka et al. and Taguma et al. does not teach or suggest a display device driving circuit including all the limitations recited in independent claim 1, as amended. The above discussion can be applied to independent claims 18 and 20, which recite that "the shorting means is configured to be turned OFF autonomously based on feedback information from the display section to the voltage supply lines." Further, dependent claims 2-4, 6-7, 9, 11 and 16, 17, 19 and 21-24, as well as new claim 25, are patentably

distinguishable over Fujioka et al. and Taguma et al. at least because those claims include all the limitations recited in independent claims 1, 18 and 20, respectively. Applicants, therefore, respectfully solicit withdrawal of the rejection of claims 1-4, 6-7, 9, 11 and 16-24 under 35 U.S.C. §103(a) and favorable consideration thereof.

III. The Rejection of Claims 5, 14 and 15 under 35 U.S.C. §103(a)

The Examiner asserted that the applied combination Fujioka et al., Taguma et al. and Udo et al. teaches or suggests a display device driving circuit including all the limitations recited in claims 5, 14 and 15.

In response, it is submitted that the applied combination of the references does not teach or suggest the claimed invention because claims 5, 14 and 15 include all the limitations recited in independent claim 1. Applicants note that Udo et al. does not teach an display device driving circuit including, among other things, the shorting means which is configured to be turned OFF autonomously based on feedback information from the display section to the voltage supply line, as recited in claim 1. Udo et al., thus, does not cure the deficiency of the applied combination of Fujioka et al. and Taguma et al., as discussed above.

Accordingly, claims 5, 14 and 15 are patentably distinguishable over Fujioka et al., Taguma et al. and Udo et al. Applicants, therefore, respectfully solicit withdrawal of the rejection of claims 5, 14 and 15 under 35 U.S.C. §103(a) and favorable consideration thereof.

IV. Information Disclosure Statement filed August 31, 2005

An Information Disclosure Statement was filed on August 31, 2005. Applicants respectfully request the Examiner to acknowledge receipt of the IDS and provide a copy of the PTO-1449 form appropriately initialed indicating consideration of the cited references.

V. Conclusion

It should, therefore, be apparent that the imposed rejections have been overcome and that all pending claims are in condition for immediate allowance. Favorable consideration is, therefore, respectfully solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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